

## Bibliographic Information

**Prostaglandin esters.** Kurono, Masayasu; Kumoto, Fusae; Hayashi, Masaki. (Ono Pharmaceutical Co., Ltd.). Ger. Offen. (1972), 20 pp. CODEN: GWXXBX DE 2155546 19720518 Patent written in German. Application: DE Priority: JP 70-98919 19701110. CAN 77:47934 AN 1972:447934 CAPLUS

**Abstract**

Twenty-seven esters of prostaglandin E1 (I), E2, F2 $\alpha$ , A1, and A2, useful as antiasthmatics and hypotensives, were prepd. by reaction of the prostaglandins with NEt<sub>3</sub> and Me<sub>3</sub>CCOCl and reaction of the mixed anhydride with ROH [R = e.g. F<sub>2</sub>CH(CF<sub>2</sub>)<sub>3</sub>CH<sub>2</sub>, HO(CH<sub>2</sub>)<sub>3</sub>,  $\alpha$ -naphthyl, n-C<sub>10</sub>H<sub>21</sub>, PrOCH<sub>2</sub>CH<sub>2</sub>, 2-pyridylmethyl, EtO<sub>2</sub>C(CH<sub>2</sub>)<sub>9</sub>]. Thus, 7 mg NEt<sub>3</sub> was added to 22.3 mg I in CH<sub>2</sub>Cl<sub>2</sub>, 8.3 mg Me<sub>3</sub>CCOCl added after 5 min, the mixt. stirred 10 min, 0.18 ml F<sub>2</sub>CH(CF<sub>2</sub>)<sub>3</sub>CH<sub>2</sub>OH and 0.09 ml pyridine were added, and the mixt. was stirred 1 hr to give I 2,2,3,3,4,4,5,5-octafluoro-1-pentyl ester.

1- P<sub>4</sub>E<sub>2</sub>-G